

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 16113-1300001	Application No. 10/676,724
	Applicant Mittal, et al.			
	Filing Date September 30, 2003	Group Art Unit 2161		

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Sub-class	Filing Date If Appropriate
/SC/	1	2002/019731	2/14/2002	Masui et al.			
	2	2002/0152203	10/17/2002	Ostergaard et al.			
	3	2002/0021311	2/2002	Shechter et al.			
	4	2002/0038308	3/2002	Cappi			
	5	2002/0059069	5/2002	Hsu et al.			
	6	2005/0071332	3/2005	Ortega et al.			
	7	5,337,347	9/1994	Halstead-Nussloch et al.			
	8	5,495,608	2/1996	Antoshenkov			
	9	5,701,469	12/1997	Brandli et al.			
	10	5,745,894	4/1998	Burrows et al.			
	11	5,758,145	5/1998	Bhargava et al.			
	12	5,845,273	12/1998	Jindal			
	13	5,915,251	6/1999	Burrows et al.			
	14	5,953,073	9/1999	Kozina et al.			
	15	5,978,792	11/1999	Bhargava et al.			
	16	6,026,411	2/2000	Delp			
	17	6,038,365	3/2000	Yamagami			
	18	6,169,999	1/2001	Kanno			
	19	6,353,820	4/2002	Edwards			
	20	6,377,961	4/2002	Ryu			
	21	6,421,662	7/2002	Karten			
	22	6,070,140	5/2000	Tran			
	23	6,529,903	3/2003	Smith et al.			
	24	6,278,992	8/2001	Curtis et al.			
	25	6,484,179	11/2002	Roccaforte			
	26	6,947,770	9/2005	Rydbeck			
	27	2004/0261021	12/2004	Mittal et al.			

Examiner Signature /Te Chen/	Date Considered 07/23/2010
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 16113-1300001	Application No. 10/676,724
	Applicant Mittal, et al.			
	Filing Date September 30, 2003	Group Art Unit 2161		

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Sub-class	Filing Date If Appropriate
/SC/	28	2003/0088554	05/08/2003	Ryan et al			
	29	2005/0188330	8/25/2005	Griffin, Jason T.			
	30	2005/0270270	12/8/2005	Chadha			
	31	2005/0246365	11/3/2005	Lowsles et al			
	32	2005/0131687	6/16/2005	Sorrentino			
	33	2005/0060448	3/17/2005	Gutowitz			
	34	2005/0289141	12/29/2005	Baluja			
	35	4,754,474	6/28/1988	Feinson			
	36	4,674,112	6/16/1987	Kondraske et al			
	37	5,818,437	10/6/1998	Grover et al.			
	38	6,377,965	4/23/2002	Hachamovitch et al.			
	39	5,945,928	8/31/1999	Kushler et al			
	40	5,953,541	9/14/1999	King et al			
	41	6,011,554	1/4/2000	King et al			
	42	2004/0163032	8/19/2004	Guo et al			
	43	6,307,548 B1	10/23/2001	Flinchem et al.			
	44	6,286,064 B1	9/4/2001	King et al			
	45	6,307,549 B	10/23/2001	King et al			
	46	2006/0230350	10/12/2006	Baluja			
	47	2006/0142997	6/29/2006	Jakobsen			
	48	2003/0054830	3/20/2003	Williams et al			
	49	6,968,179 B1	11/22/2005	De Vries			
	50	2003/0035519	2/20/2003	Warmus			
	51	2005/0289479	12/29/2005	Yoshida et al			
	52	7,159,191	1/2/2007	Koivuneimi			
	53	7,103,854	9/5/2006	Fuchs et al			
	54	6,256,630	7/2001	Gilai et al.			

Examiner Signature /Te Chen/	Date Considered 07/23/2010
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 16113-1300001	Application No. 10/676,724
		Applicant Mittal, et al.	
		Filing Date September 30, 2003	Group Art Unit 2161

**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Sub-class	Filing Date If Appropriate
/SC/	55	2002/0087514	7/2002	Payne et al.			
↓	56	2003/0104839	6/5/2003	Kraft et al			
	57	2003/0073451	4/17/2003	Kraft			
	58	2003/0135490	7/17/2003	Barrett et al			
	59	2007/0061244	3/17/2007	Ramer			
	60	7,380,724	6/3/2008	Unruh			
	61	6,226,635	5/2001	Katariya			
	62	7,149,550	12/12/2006	Kraft			
↓	63	6,542,170	4/2003	Williams et al			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/SC/	64	WO 2005/091825	10/6/2005	WIPO				
↓	65	WO 2002/09302	1/31/2002	WIPO				
	66	KR 2002-0084739	11/11/2002	KR			✓ (Abstract only)	
	67	CA 2,511,293	6/17/2004	CA				
	↓	68	WO 2001/80079	10/25/2001	WIPO			

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
/SC/	69	Search Report from related European Patent Application No. 09151235.0 mailed May 4, 2009, 7 pages.
↓	70	PRAKASH, SURYA, Patent Examiner, Australian Patent Office, Australian Application No. 2005259925, filed June 24, 2005, in Office Action, mailed February 18, 2010, 3 pages.
	71	HOFFLER, RAHEM, Examiner, United States Patent and Trademark Office, United States Application 10/876,989, filed June 30, 2005, in Office Action Mailed January 3, 2007, 18 pages.
	↓	72

Examiner Signature /Te Chen/	Date Considered 07/23/2010
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 16113-1300001	Application No. 10/676,724
		Applicant Mittal, et al.	
		Filing Date September 30, 2003	Group Art Unit 2161
Information Disclosure Statement by Applicant (Use several sheets if necessary)			
(37 CFR §1.98(b))			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
/SC/	73	HOFFLER, RAHEM, Examiner, United States Patent and Trademark Office, United States Application 10/876,989, filed June 30, 2005, in Office Action Mailed September 18, 2007, 14 pages.
	74	HOFFLER, RAHEM, Examiner, United States Patent and Trademark Office, United States Application 11/173,702, filed June 30, 2005, in Office Action Mailed April 1, 2008, 18 pages.
	75	HOFFLER, RAHEM, Examiner, United States Patent and Trademark Office, United States Application 11/173,702, filed June 30, 2005, in Office Action Mailed December 29, 2008, 29 pages.
	76	HOFFLER, RAHEM, Examiner, United States Patent and Trademark Office, United States Application 10/876,989, filed June 30, 2005, in Office Action Mailed March 9, 2009, 23 pages.
	77	HOFFLER, RAHEM, Examiner, United States Patent and Trademark Office, United States Application 11/173,702, filed June 30, 2005, in Office Action Mailed August 17, 2009, 18 pages.
	78	HOFFLER, RAHEM, Examiner, United States Patent and Trademark Office, United States Application 10/876,989, filed June 30, 2005, in Office Action Mailed December 22, 2009, 23 pages.
	79	HAUCK, RAINER, European Examiner, European Patent Office, Supplementary European Search Report & Written Opinion for Application No. EP 05763513.8, mailed July 23, 2009, 3 pages.
	80	WILDSTROM, STEPHEN H., "Honey, I Shrank The Keyboard," Business Week, May 10, 2004, page 30.
	81	YOUNG, LEE W., Authorized Officer, International Searching Authority, International application number PCT/US2006/26152, filed June 30, 2006, in International Search Report and Written Opinion, mailed February 11, 2008, 9 pages.
	82	KUWAHARA, YOSHIKO, Authorized Officer, International Bureau of WIPO, International application number PCT/US2006/26152, filed June 30, 2006, in International Preliminary Report on Patentability, mailed March 26, 2009, 7 pages.
	83	WHITFIELD, JACQUELINE A., Special Project Assistant, International Searching Authority, International application number PCT/US05/22962, filed June 24, 2005, in International Search Report and Written Opinion, mailed September 7, 2007, 13 pages.
	84	Jun Gong and Peter Tarasewich, Alphabetically Constrained Keypad Designs for Text Entry on Mobile Devices, HCI Laboratory, College of Computer & Information Science, Northeastern University, Pages 211-220, April 2-7, 2005.
	85	EXAMINER ATHINA NICKITAS-ETIENNE, International Preliminary Report on Patentability for Application No. PCT/US2007/082534, dated May 7, 2009, 6 pages.
	86	"Problem 6-Mobile phones" ACM SPPC International Collegiate Programming Contest 2003, September 20, 2003, http://www.sspcontest.org.2003/P6_Mobiles.pdf , 2 pages.

Examiner Signature /Te Chen/	Date Considered 07/23/2010
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 16113-1300001	Application No. 10/676,724
	Applicant Mittal, et al.			
	Filing Date September 30, 2003		Group Art Unit 2161	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
/SC/	87	HOFFLER, RAHEM, Examiner, United States Patent and Trademark Office, United States Application 11/173,702, filed June 3, 2005, in Office Action Mailed May 11, 2010, 17 pages.
/SC/	88	HOFFLER, RAHEM, Examiner, United State Patent and Trademark Office, United State Application 10/876,989, filed June 30, 2005, in Office Action Mailed June 6, 2008, 17 pages.

Examiner Signature /Te Chen/	Date Considered 07/23/2010
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	